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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/738,370
Filing Date	December 15, 2003
First Named Inventor	Andrews et al.
Art Unit	2642
Examiner Name	Not yet assigned
Total Number of Pages in This Submission	3
Attorney Docket Number	20009.0194US01 (0201-02510)

ENCLOSURES (Check all that apply)			
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC	
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information	
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Statement Under 37 CFR 3.73(b)	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Return Postcard	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____		
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD		
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53			
Remarks			

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WITHERS & KEYS, LLC		
Signature			
Printed name	Jeramie J. Keys		
Date	January 12, 2005	Reg. No.	42,724

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Jeramie J. Keys	Date	January 12, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/82 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035  
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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/738,370
Filing Date	December 15, 2003
First Named Inventor	Andrews et al.
Art Unit	2642
Examiner Name	Not yet assigned
Attorney Docket Number	20009.0194US01 (0201-02510)

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

**OR**

I hereby appoint the practitioners associated with the Customer Number: 45695

Please change the correspondence address for the above-identified application to:

The address associated with  
Customer Number:

**OR**

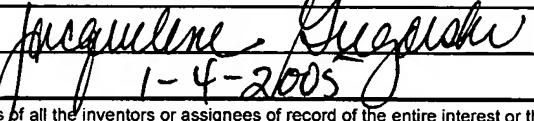
<input checked="" type="checkbox"/> Firm or Individual Name	WITHERS & KEYS, LLC			
Address	P.O. BOX 71355			
Address				
City	Marietta	State	GA	Zip
Country	30007-1355			
Telephone	678-565-4748	Fax	678-565-4749	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name	Jacqueline Gregorski, Vice-President - Patent & Trademark Procurement, BellSouth Intellectual Property Corporation		
Signature			
Date	1-4-2005	Telephone	404.249.2790

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Robert T. Andrews et al.Application No./Patent No.: 10/783,370 Filed/Issue Date: December 15, 2003Entitled: Methods and Systems of Span Design

BellSouth Intellectual Property Corporation, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

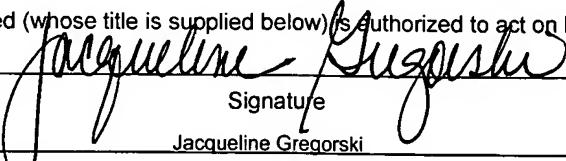
1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
Signature  
Jacqueline Gregorski

1-4-2005  
Date

Printed or Typed Name

404.249.2790  
Telephone Number

Vice President - Patent and Trademark Procurement

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Assignment

WHEREAS, We, Robert T. Andrews, citizen of the United States, residing at 2514 Chandawood Lane, Pelham, AL, Terry L. Rann, citizen of the United States, residing at 4211 Morning Dew Dr., Powder Springs, GA, Mark A. Hildebrand, citizen of the United States, residing at 2113 Waterway Lane, Snellville, GA, Mary W. Roth, citizen of the United States, residing at 1619 Old Hunters Trace, Marietta, GA, Marian F. Meyers, citizen of the United States, residing at 1243 Westover Trace, Acworth, GA, Joseph A. Upshaw, citizen of the United States, residing at 2763 Birdie Drive, Jonesboro, GA, and Ramesh Movva, citizen of India, residing at 5900 Barrington Lane, Alpharetta, GA, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **Methods and Systems of Span Design**, listing as inventor(s) Robert T. Andrews, Terry L. Rann, Mark A. Hildebrand, Mary W. Roth, Marian F. Meyers, Joseph A. Upshaw, and Ramesh Movva.

WHEREAS, **BellSouth Intellectual Property Corporation**, a Corporation of the State of Delaware, having a place of business at 824 Market Street, Suite 901, Wilmington, DE 19801, is desirous of acquiring title in the same.

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. We, Robert T. Andrews, Terry L. Rann, Mark A. Hildebrand, Mary W. Roth, Marian F. Meyers, Joseph A. Upshaw, and Ramesh Movva, do sell assign and transfer unto **BellSouth Intellectual Property Corporation**, full exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; We also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and We hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, We do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any application priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, We agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual Property Corporation** their successors, assigns and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

12/05/03

Date

Robert T. Andrews  
Robert T. Andrews

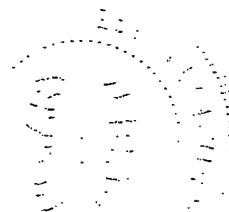
STATE OF Alabama

COUNTY OF Jefferson

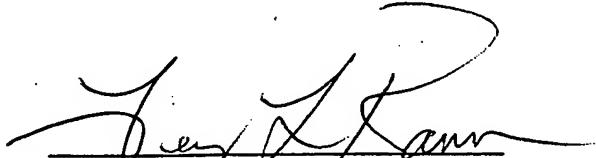
Before me, Notary Public in and for the State of Alabama, on this 5th day of October, 2003, personally appeared Robert T. Andrews, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Shelly Simer  
NOTARY PUBLIC

My Commission Expires: 9/15/2007



12/10/03  
Date

  
Terry L. Rann

STATE OF Georgia

COUNTY OF Gwinnett

Before me, Notary Public in and for the State of Georgia, on this  
10 day of Dec., 2003, personally appeared Terry L. Rann, who being duly  
sworn, signed and acknowledged the foregoing Assignment as his free act and  
deed.



12/8/2003  
Date

Mark A. Hildebrand  
Mark A. Hildebrand

STATE OF Georgia

COUNTY OF Gwinnett

Before me, Notary Public in and for the State of Georgia, on this  
8<sup>th</sup> day of December, 2003, personally appeared Mark A. Hildebrand, who  
being duly sworn, signed and acknowledged the foregoing Assignment as his  
free act and deed.

Joyce A. Abernathy  
NOTARY PUBLIC

My Commission Expires: Aug. 25, 2006

Notary Public, DeKalb County, Georgia  
My Commission Expires Aug. 25, 2006

12/9/03  
Date

Mary W. Roth  
Mary W. Roth

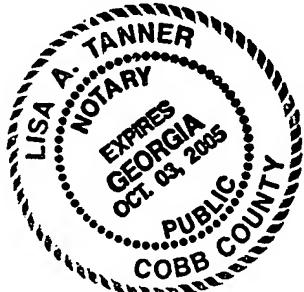
STATE OF Georgia

COUNTY OF Cobb

9 Before me, Notary Public in and for the State of Georgia, on this day of December, 2003, personally appeared Mary W. Roth, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Lisa A. Tanner  
NOTARY PUBLIC

My Commission Expires: 10/3/05



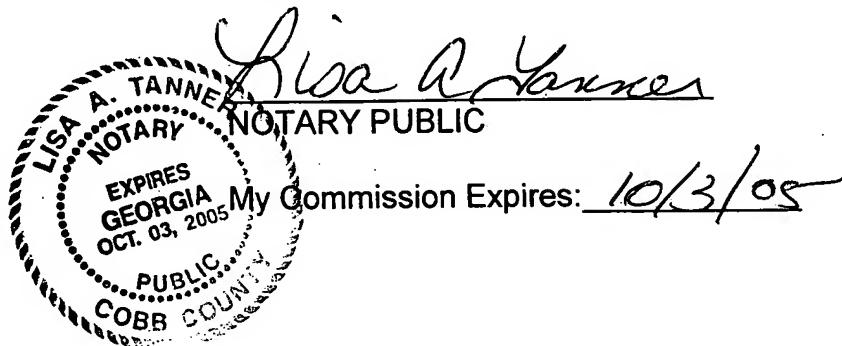
1-9-03  
Date

Marian F. Meyers  
Marian F. Meyers

STATE OF GA

COUNTY OF COBB

9 Before me, Notary Public in and for the State of Georgia, on this day of December, 2003, personally appeared Marian F. Meyers, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



12/10/2003

Date

Joseph A. Upshaw

STATE OF GEORGIA

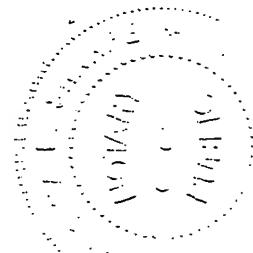
COUNTY OF CLAYTON

Before me, Notary Public in and for the State of Georgia, on this  
10th day of Dec., 2003, personally appeared Joseph A. Upshaw, who being  
duly sworn, signed and acknowledged the foregoing Assignment as his free act  
and deed.

Synovia L. Sharpe  
NOTARY PUBLIC

My Commission Expires:

SYNOVIA L. SHARPE
Notary Public, State of Georgia
Gwinnett County
My Commission Expires Nov. 20, 2005



12/10/2003  
Date

R. Ramesh  
Ramesh Movva

STATE OF GEORGIA

COUNTY OF FULTON

Before me, Notary Public in and for the State of GEORGIA, on this  
10<sup>th</sup> day of OCTOBER 2003, personally appeared Ramesh Movva, who being  
duly sworn, signed and acknowledged the foregoing Assignment as his free act  
and deed.

Nancy Borden  
NOTARY PUBLIC

My Commission Expires: 11/30/2007